Unit 15 – Website Development

©THECOMPUTINGTUTOR

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

Learning Aim B – Design A Website To Meet Client Requirements

©THECOMPUTINGTUTOR

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

Learning Aim B2 – Common Tools And Techniques Used To Construct Websites

©THECOMPUTINGTUTOR

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

Learning Objectives

To be able to create hyperlinks using anchor tags.

To be able to create internal and external hyperlinks.

To be able to link to specific parts of a web page using anchors.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

B2.3 – Website Navigation

©THECOMPUTINGTUTOR

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

What is Navigation?

Navigation is the ability to move easily between web pages.

This is usually done by creating ***hyperlinks***.

Navigation also means moving easily within a web page.

We will look at both in this lesson.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

What Is A Hyperlink?

This is a connection between two pages.

It appears as some clickable text or image.

Behind this is the address of the web page you are linking to.

This is referred to as the ***target***.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

HTML ANCHOR TAGS

@THECOMPUTINGTUTOR

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

What Are Anchor Tags?

Anchor tags define hyperlinks.

This is the page, website or page section you want to jump to.

Anchor tags start with ***<a>.***

Anchor tags can define ***INTERNAL*** or ***EXTERNAL*** hyperlinks.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020 EXCEPT EXCERPTS FROM
THE SAM. ALL RIGHTS RESERVED.

Internal Hyperlinks

An internal hyperlink will link to another page in your website.

It might also link to another section in the same web page.

This is used for web pages with very large amounts of text.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

External Hyperlinks.

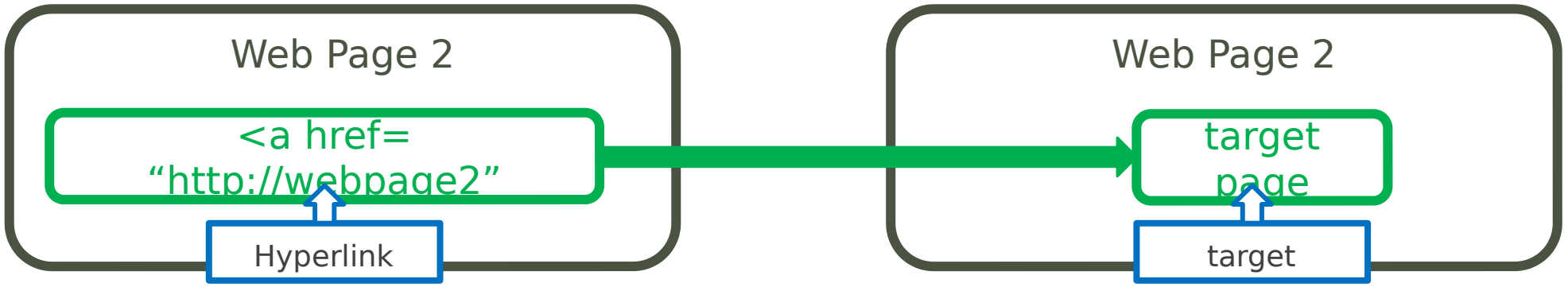
External Hyperlinks will link to a separate website.

These are used when you want to reference another site.

This could be used for creating SEO backlinks.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

External Hyperlinks



ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

Anchor Tag Attributes

Anchor tags make extensive use of attributes.

They can specify the address of the linked website.

They can specify email addresses.

They can specify if the link opens up in a new browser tab.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020 EXCEPT EXCERPTS FROM
THE SAM. ALL RIGHTS RESERVED.

Anchor Tag Attributes

attribute	meaning	HTML	description
href	The address of the page you are linking to	<a href=www.bbc.co.uk >	This will link to the BBC.
target	Specifies whether a link will open in a new tab or the same tab.	<a href=www.bbc.co.uk target="_blank">	Opens a link to the BBC in a new browser window

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

Basic Hyperlinks

Tag	Attribute	=	Value	Tag
<a	href	=	“https://www.bbc.co.uk”	>

<a href=“https://www.bbc.co.uk”>

Don’t forget!

This will create a link to the BBC in the same browser tab

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

Open A Hyperlink In A New Browser Tab

Tag	Attribute	=	Value	Tag
<a	href	=	“https://www.bbc.co.uk”	
	target	=	“_blank”	>

<a href=“https://www.bbc.co.uk” target=“_blank”>

Don’t forget!

This will create a link to the BBC in a new browser tab

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

Creating Anchor Tags

By putting text between the starting and ending <a> tags.

You can begin to create usable menus and links.

Text between these tags should appear ***BLUE*** and ***UNDERLINED*** in your browser.

This indicates that this text is a hyperlink.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020 EXCEPT EXCERPTS FROM THE SAM. ALL RIGHTS RESERVED.

Class Activity – Anchor Tags

Create a new HTML document called ***Links.html.***

Add the HTML, head and body elements.

Inside the body element, enter the HTML code on the next slide.

Look at the results in a browser.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020 EXCEPT EXCERPTS FROM
THE SAM. ALL RIGHTS RESERVED.

Class Activity – Anchor Tags

HTML CODE

```
<body>
  <a href="https://www.bbc.co.uk">
      This is a link to the BBC
  </a>
/body>
```

hyperlink

WEB PAGE IN A BROWSER

Hyperlink text is BLUE and UNDERLINED!

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

Hyperlink Behaviour

- Notice you need
- This is defining the ***COMMUNCATION PROTOCOL*** as well as the web address.
- This is called
- You need to specify a complete
- Once you have clicked on

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR 2020 EXCEPT EXCERPTS FROM THE SAM. ALL RIGHTS RESERVED.

Class Tasks 2.3 – Navigation

Look at the class tasks given to you.

Carry out the tasks and make sure you include your HTML code and screenshots of your web page.

Discuss your findings with the group.

Time allowed: 60 minutes

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

Self-Check: Lesson Review

- Can I explain how anchor tags work?
- Can I explain the difference between internal and external hyperlinks?
- Can I create a hyperlink to an external website?
- Can I create a hyperlink to web page in different locations in my website?
- Can I create a hyperlink to a specific part of a page?

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

Further Reading

Websites

https://www.w3schools.com/tags/tag_a.asp

Videos

https://www.youtube.com/watch?v=ztNR3FqdNzU

Textbook: pp514

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.

No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the TheComputingTutor Ltd.

ALL TEXT COPYRIGHT © THECOMPUTINGTUTOR LTD 2022. ALL RIGHTS RESERVED.